

# Comparisons of Job Characteristics

**Focus Occupation:** [Medical and Clinical Laboratory Technologists \(29-2011\)](#)

**Associated Occupation:** [Medical Assistants \(31-9092\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 41

**Focus Occupation:** Medical and Clinical Laboratory Technologists (29-2011)

**Associated Occupation:** Medical Assistants (31-9092)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Customer and Personal Service	11.3	13.7	8.9	<< Extensive education and/or training may be required
Clerical	7.3	12.7	8.5	<< Extensive education and/or training may be required
Medicine and Dentistry	3.7	12.5	10.1	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 82

**Focus Occupation:** Medical and Clinical Laboratory Technologists (29-2011)

**Associated Occupation:** Medical Assistants (31-9092)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Active Listening	11.0	13.3	11.5	< A higher skill level may be required
Speaking	10.8	13.0	10.2	< A higher skill level may be required
Monitoring	9.9	11.5	10.1	< A higher skill level may be required
Social Perceptiveness	9.1	11.4	8.2	<< Extensive development of skills in this area may be required
Service Orientation	7.9	10.1	6.6	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Associated Occupation: Medical Assistants (31-9092)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Expression	12.4	13.9	13.0	0	Current ability level may be sufficient
Oral Comprehension	12.5	13.5	13.4	0	Current ability level may be sufficient
Problem Sensitivity	11.1	11.6	13.0	>	Current ability level is likely sufficient
Speech Clarity	10.2	11.4	9.6	<	Some improvement in abilities may be required
Written Comprehension	11.0	11.4	12.7	>	Current ability level is likely sufficient
Near Vision	11.1	11.2	14.0	>	Current ability level is likely sufficient
Speech Recognition	9.9	11.0	9.7	<	Some improvement in abilities may be required
Written Expression	9.8	10.7	10.7	0	Current ability level may be sufficient
Perceptual Speed	7.4	8.2	9.3	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Associated Occupation: Medical Assistants (31-9092)

Work Activities	Exclusivity of Activity
Calculate medical diagnostic test results	89
Conduct medical laboratory tests	87
Draw blood	74
Prepare sample for laboratory testing, analysis, or microscopy	74
Set up or calibrate laboratory equipment	78
Use clinical sterilizing technique	71
Use knowledge of medical terminology	40
Use medical lab techniques	81
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 75

**Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)**  
**Associated Occupation: Medical Assistants (31-9092)**

<b>Tools and Technologies</b>	<b>Exclusivity</b>
Autoclave and sterilizer equipment and accessories	12
Business function specific software	1
Clinical and diagnostic analyzers and accessories and supplies	18
Computer data input devices	2
Computer printers	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1
Injection and aspiration needles and accessories	25
Laboratory centrifuges and accessories	13
Laboratory microscope slides and supplies	20
Pipettes and liquid handling equipment and supplies	16
Specimen collection and transport containers and supplies	14
Surgical support supplies	33
Syringes and accessories	14
Test Tubes	26
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.